SUMMARY

The Advanced Reactors Transition (ART) Project (also known as the FFTF Standby Project) consists of WBS 1.12.1.1, Project Baseline Summary (PBS) TP11.

The ART mission area continued to make significant progress in February. Technical accomplishments include continued progress on the Interim Examination and Maintenance (IEM) Cell long assembly shear activities; approval of a revised Performance Agreement (PA), which descoped the Open Test Assembly (OTA) Shear Project and added the Solid Waste Cask (SWC) Hoist Drive Upgrade Project; and removal of the hoist assembly from the SWC to allow inspection of the drive system. Efforts continued in preparation of the Head Mounted Equipment Testing Report. Significant progress was made on the Performance Evaluation Plan (PEP) milestone for preparation of the Annual System Assessment (ASAR) and Component Status Report for Standby. Nuclear Energy (NE) Legacies progress included T Plant sodium test system removal work and cleaning the 1720-DR Tank.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, FO, and RL) shows that six milestones (100 percent) were completed on or ahead of schedule. There are no milestones overdue or forecast late.

ACCOMPLISHMENTS

- Performed additional test cuts on the OTA Shear Project; completed fabrication activities on the cut part transfer basket and the cut part lift fixture on schedule. (Planned)

- Removed the hoist assembly on schedule from the SWC to allow inspection of the drive system in support of the SWC Upgrade Project. (Planned).

- Completed drafts of the head mounted equipment testing reports for all three major systems on schedule. (B13-98-102)

- Initiated field work for removing the sodium test system from the 221-T Plant on schedule. (B69-98-306)

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	$ 16.9	$ 16.7	$ 0.2

The $0.2 million (1 percent) favorable cost variance is within the ±4 percent threshold.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	$ 16.9	$ 17.6	($ 0.7)

The $0.7 million (4 percent) unfavorable schedule variance is due to Closed Loop Ex-vessel Machine (CLEM) computer upgrade delays due to work on higher priority activities. Shear Program testing problems required redesigned shear blades. The G3 Control System Upgrade is behind schedule due to delays in the delivery of the new control system for installation. Some NE Legacies work is on hold due to potential loss of funding.

ISSUES

1) **Strategy for Polychlorinated Biphenyl (PCB) contamination.** Ecology requested a removal, verification, and mitigation strategy for PCB contamination outside the 3718-F Alkali Metal Treatment and Storage Facility. Failure to remove the contaminated structures and characterize the PCB contamination could result in a notice of violation for failure to comply with the permit conditions of the 3718-F Closure Plan.

   Strategy/Status: A letter was issued to Ecology outlining the RL regulatory basis for the actions taken at 3718-F, requesting a review of Ecology's decision and asking for a stay of the time limit to allow issue resolution. A meeting was held with Ecology in late February to discuss the path forward for 3718-F. RL committed to sampling the soils in the vicinity of the 3718-F sumps and removing the sumps for disposal. Further actions will be determined based on the levels of PCBs remaining in the soils. Sampling and removal action is proceeding.

2) **FY 1999 ART Budget Guidance.** The ART FY 1999 budget guidance has $31.2 million for FFTF and $1.9 million for NE Legacies activities. An increase to the FY 1999 budget guidance is needed by May 1, 1998 or staff and scope reduction actions will need to be initiated. An additional $10 million is required for either a shutdown mission or a tritium/isotope production mission.

   Status/Corrective Action: A plan is being developed to address the current funding guidance. Additional funding is dependent on a Secretary of Energy decision on the dual track tritium production strategy.

COST VARIANCE ANALYSIS

WBS	COST VARIANCE: $ 0.2M

Advanced Reactors Transition 1.12	**Description and Cause:** Variance is within established thresholds.	

SCHEDULE VARIANCE ANALYSIS

WBS	SCHEDULE VARIANCE: ($ 0.7M)

Advanced Reactors Transition 1.12	**Description and Cause:** The $0.7 million (4 percent) unfavorable schedule variance is primarily due to FFTF activities. Closed Loop Ex-vessel Machine (CLEM) computer upgrades were delayed due to work on higher priority activities. Shear Program testing problems required redesigned shear blades. The G3 Control System Upgrade is behind schedule due to delays in the delivery of the new control system for installation. Some NE Legacies work is on hold due to potential loss of funding.	**Impact:** There are no long-term programmatic impacts; schedule recovery is planned during the balance of the fiscal year. **Corrective Action:** Recovery actions are underway for the CLEM and Shear Program. The G3 Control system Upgrade will be resolved when materials are received and installed. Funding for NE Legacies is in the process of being resolved.

MILESTONE EXCEPTION REPORT

Number/ WBS	Level	Milestone Title	Baseline Date	Forecast Completion Date

OVERDUE - 0

FORECAST DELAY - 0